DRAWINGS

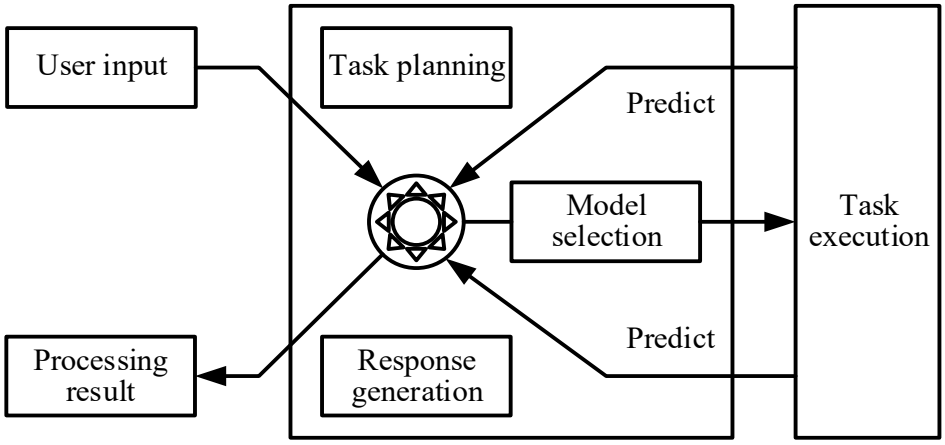

FIG. 1

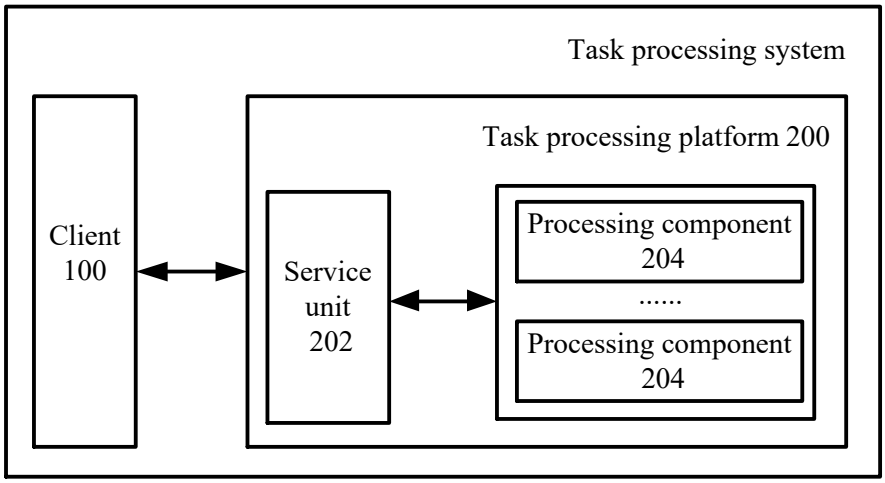

FIG. 2a

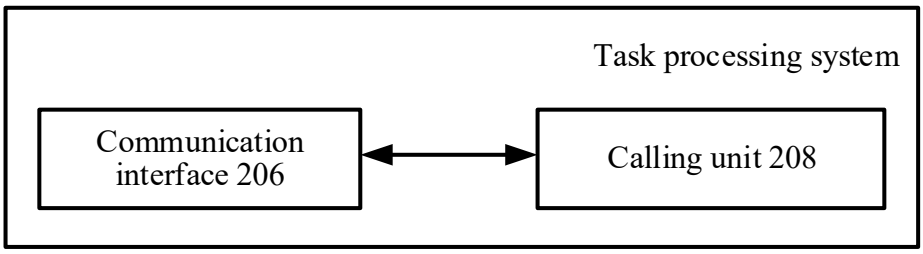
Task processing system
Communication interface 206
Calling unit 208

FIG. 2b

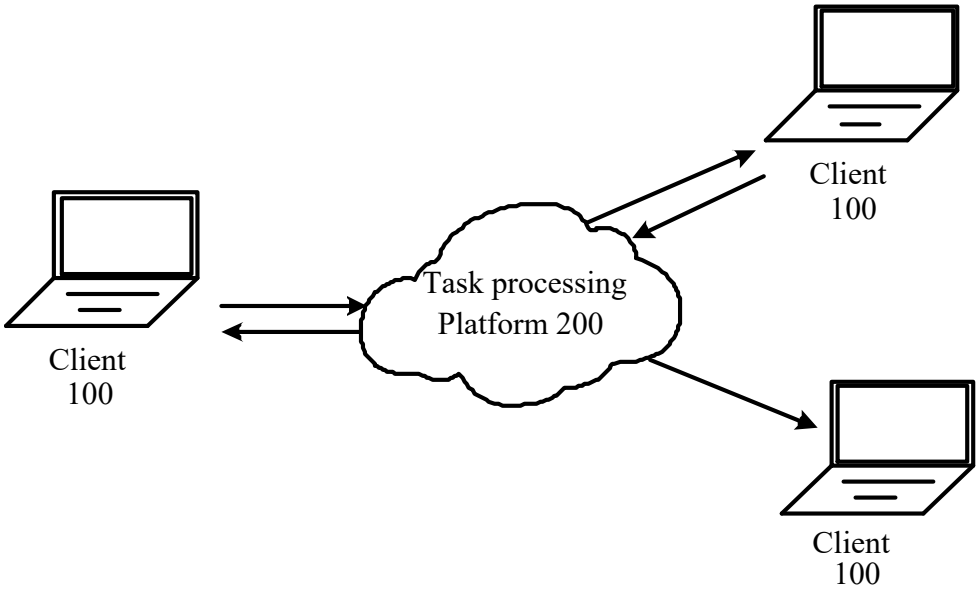
Client 100
Task processing Platform 200
Client 100
Client 100

FIG. 3

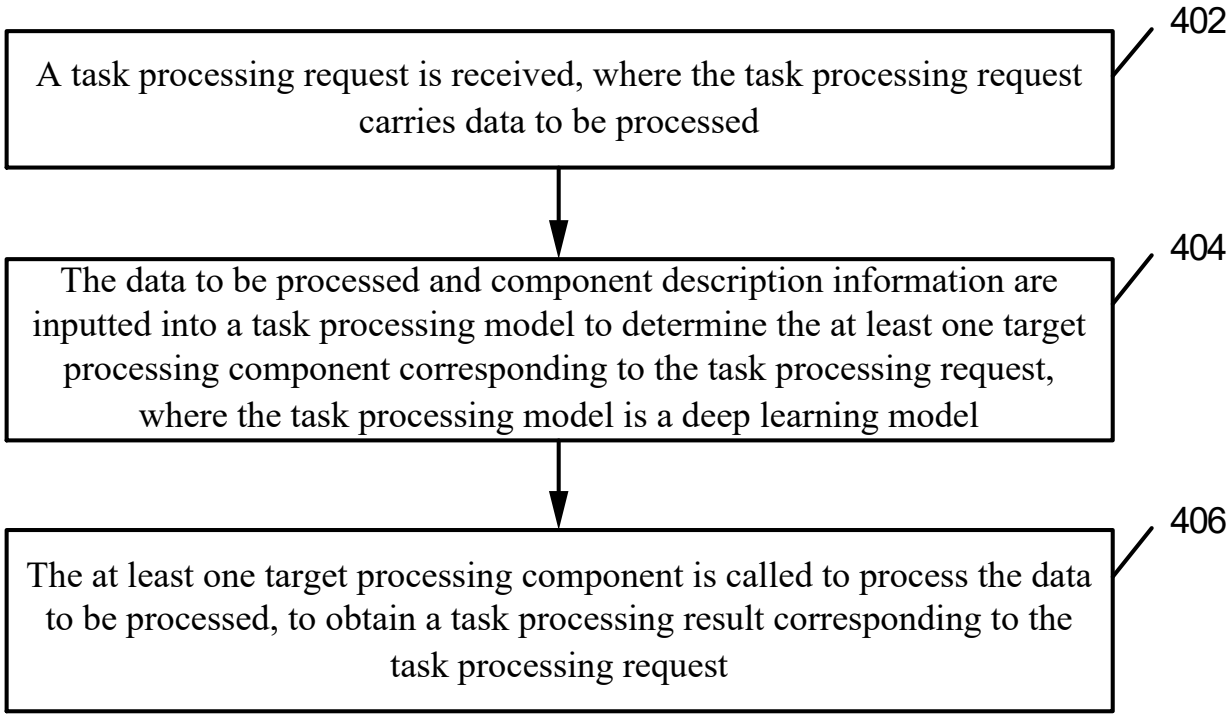
A task processing request is received, where the task processing request carries data to be processed
402
The data to be processed and component description information are inputted into a task processing model to determine the at least one target processing component corresponding to the task processing request, where the task processing model is a deep learning model
404
The at least one target processing component is called to process the data to be processed, to obtain a task processing result corresponding to the task processing request
406

FIG. 4

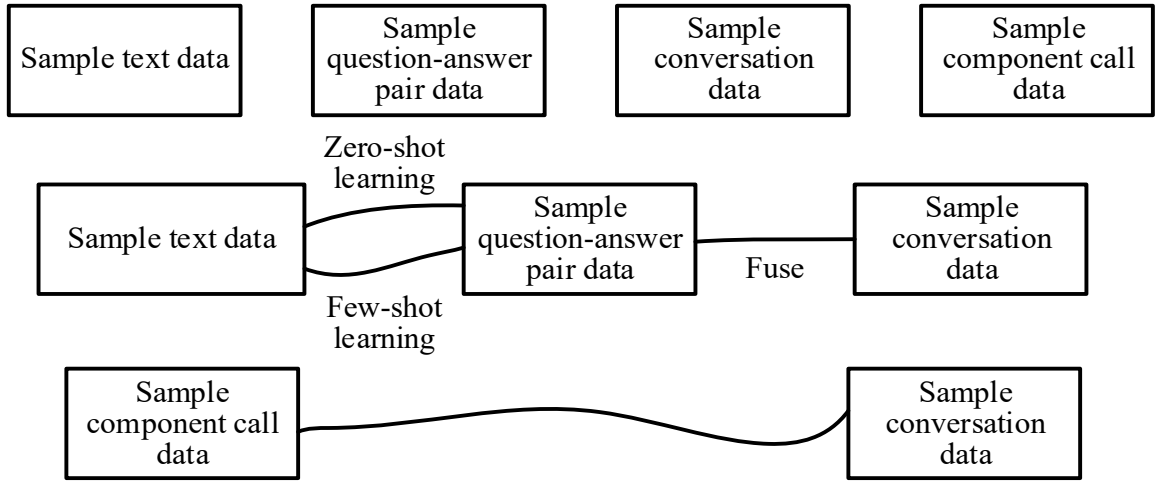
Sample text data
Sample question-answer pair data
Sample conversation data
Sample component call data
Zero-shot learning
Sample text data
Sample question-answer pair data
Fuse
Sample conversation data
Few-shot learning
Sample component call data
Sample conversation data

FIG. 5

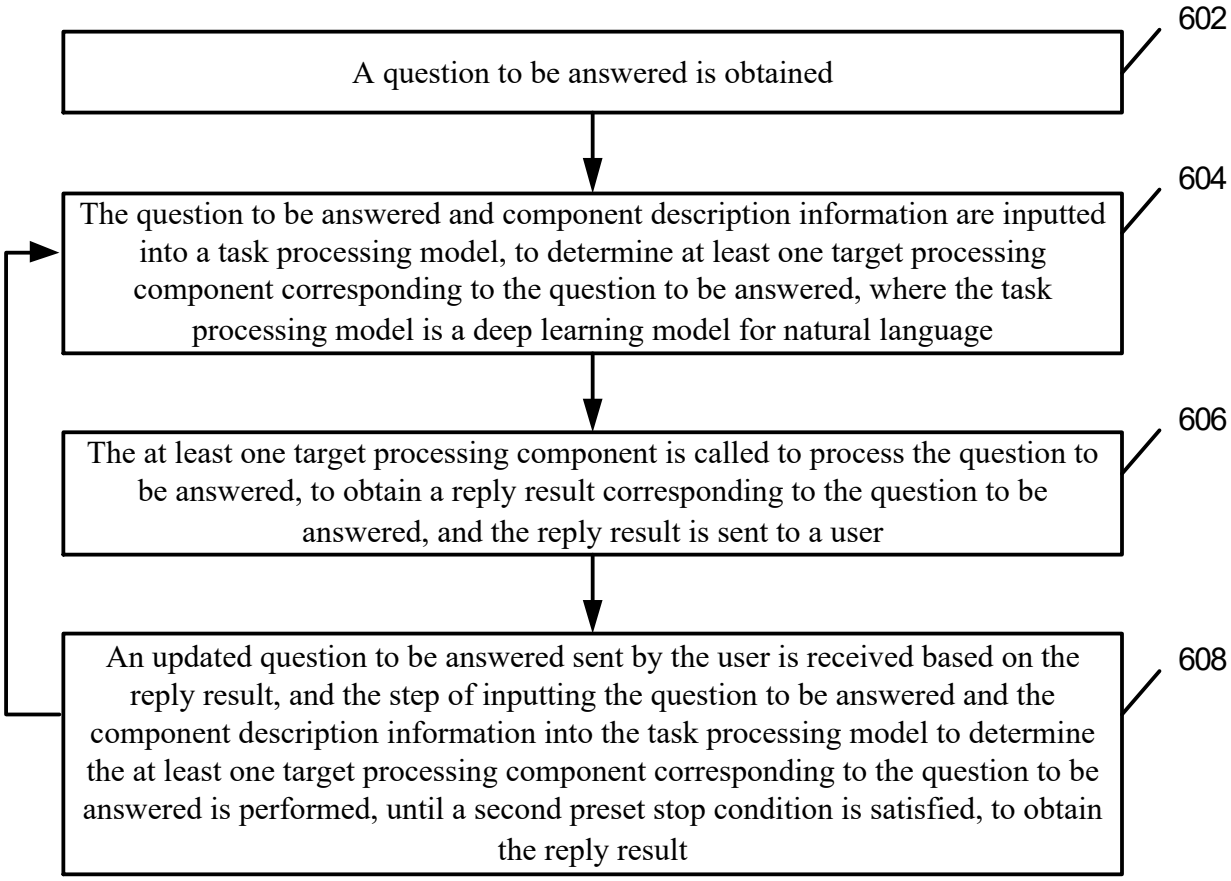
602
A question to be answered is obtained
604
The question to be answered and component description information are inputted into a task processing model, to determine at least one target processing component corresponding to the question to be answered, where the task processing model is a deep learning model for natural language
606
The at least one target processing component is called to process the question to be answered, to obtain a reply result corresponding to the question to be answered, and the reply result is sent to a user
608
An updated question to be answered sent by the user is received based on the reply result, and the step of inputting the question to be answered and the component description information into the task processing model to determine the at least one target processing component corresponding to the question to be answered is performed, until a second preset stop condition is satisfied, to obtain the reply result

FIG. 6

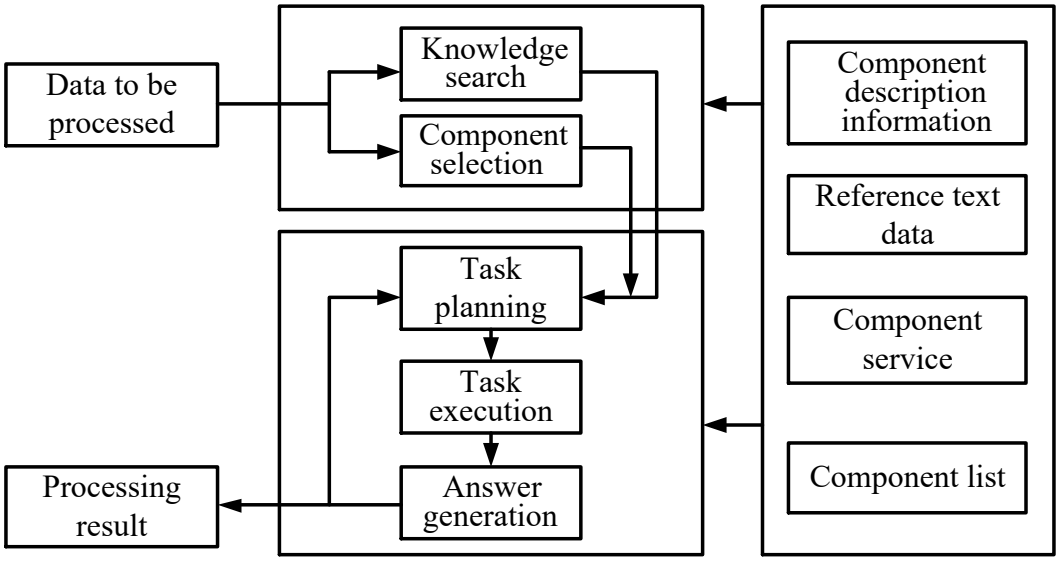
Data to be processed
Knowledge search
Component selection
Task planning
Task execution
Answer generation
Processing result
Component description information
Reference text data
Component service
Component list

FIG. 7

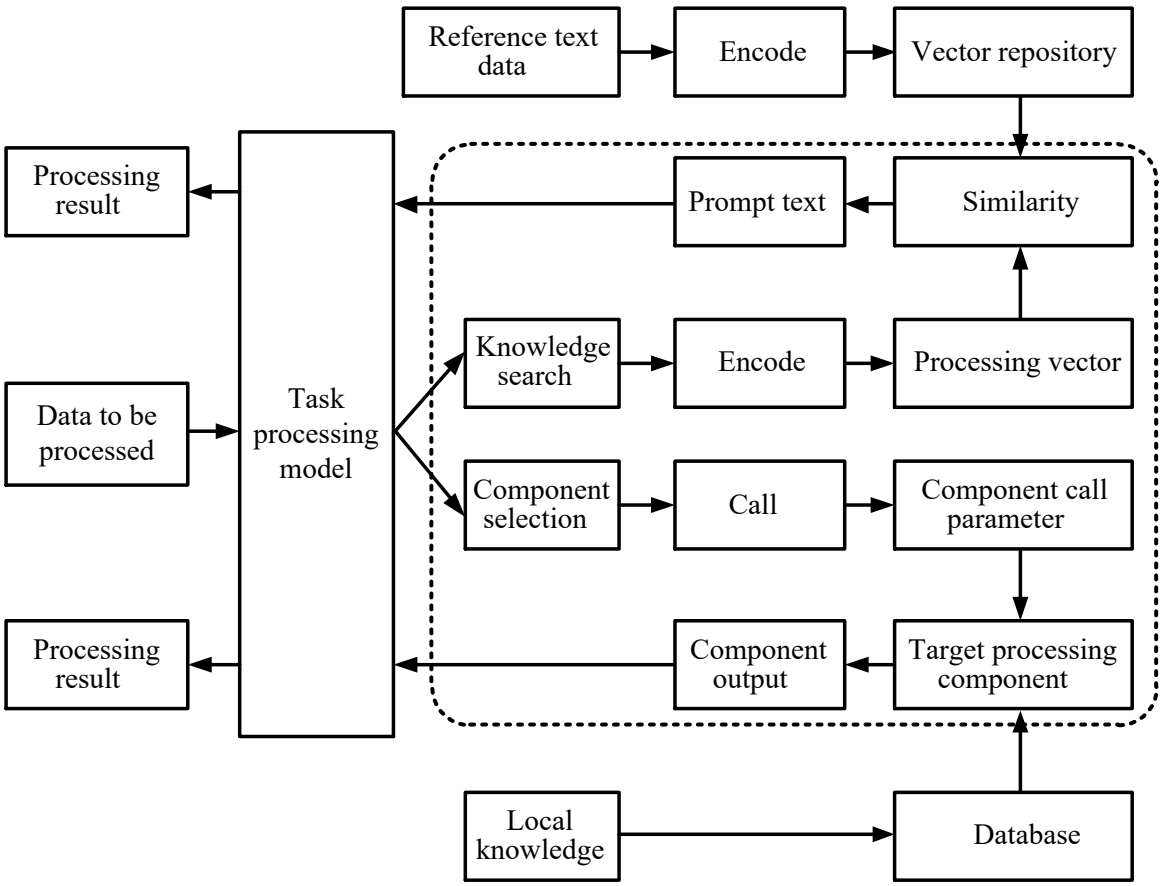
Reference text data
Encode
Vector repository
Processing result
Prompt text
Similarity
Knowledge search
Encode
Processing vector
Data to be processed
Task processing model
Component selection
Call
Component call parameter
Processing result
Component output
Target processing component
Local knowledge
Database

FIG. 8

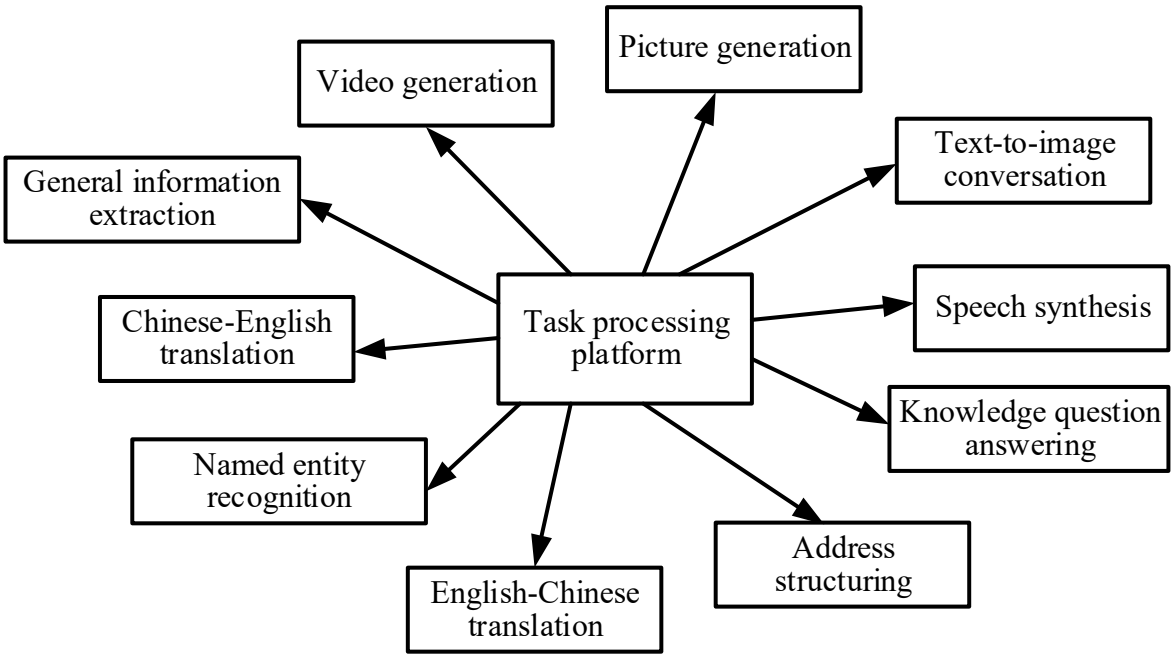
Video generation
Picture generation
General information extraction
Text-to-image conversation
Chinese-English translation
Task processing platform
Speech synthesis
Knowledge question answering
Named entity recognition
Address structuring
English-Chinese translation

FIG. 9

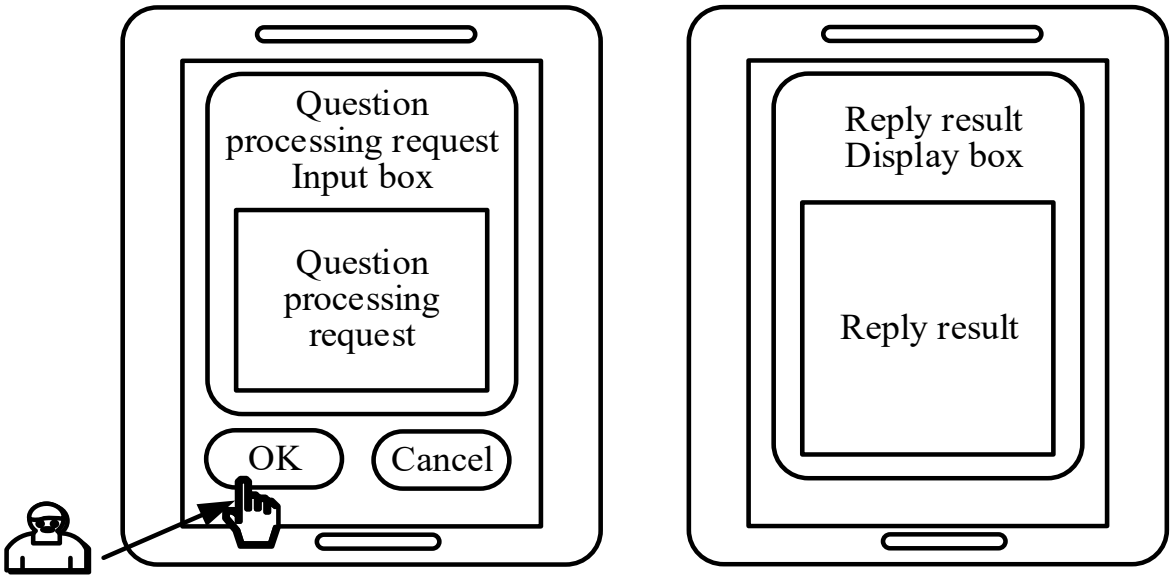
Question processing request Input box
Question processing request
OK
Cancel
Reply result Display box
Reply result

FIG. 10

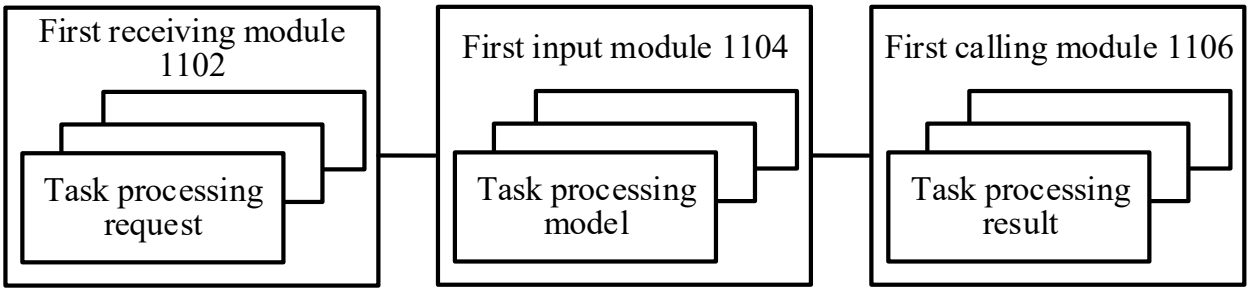
First receiving module 1102
Task processing request
First input module 1104
Task processing model
First calling module 1106
Task processing result

FIG. 11

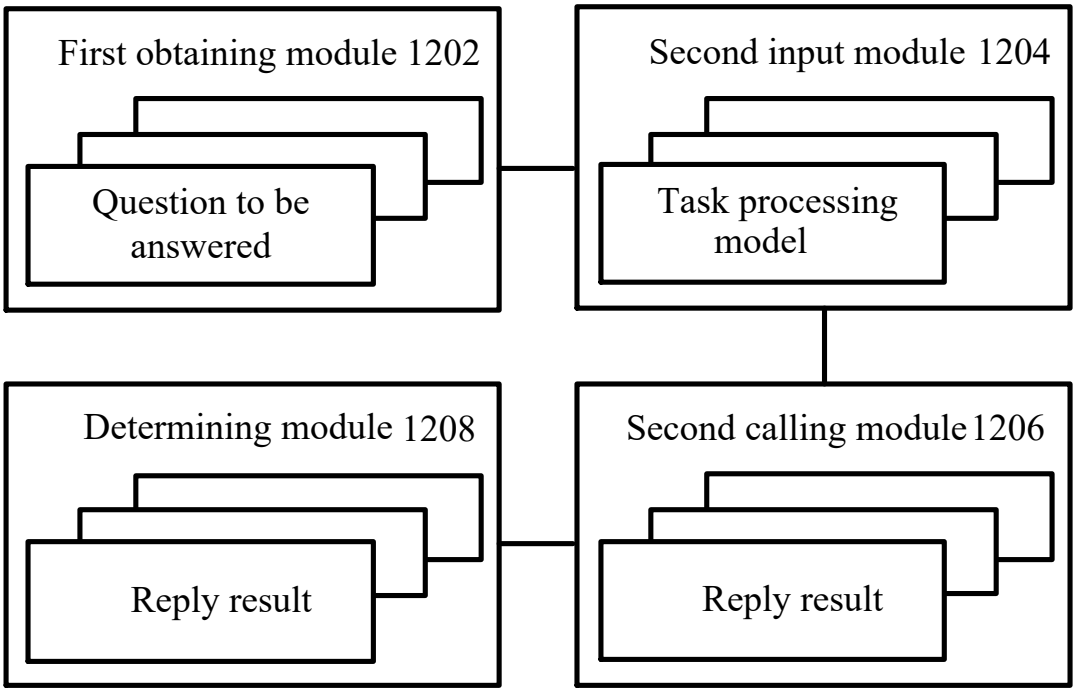
First obtaining module 1202
Question to be answered
Second input module 1204
Task processing model
Determining module 1208
Reply result
Second calling module 1206
Reply result

FIG. 12

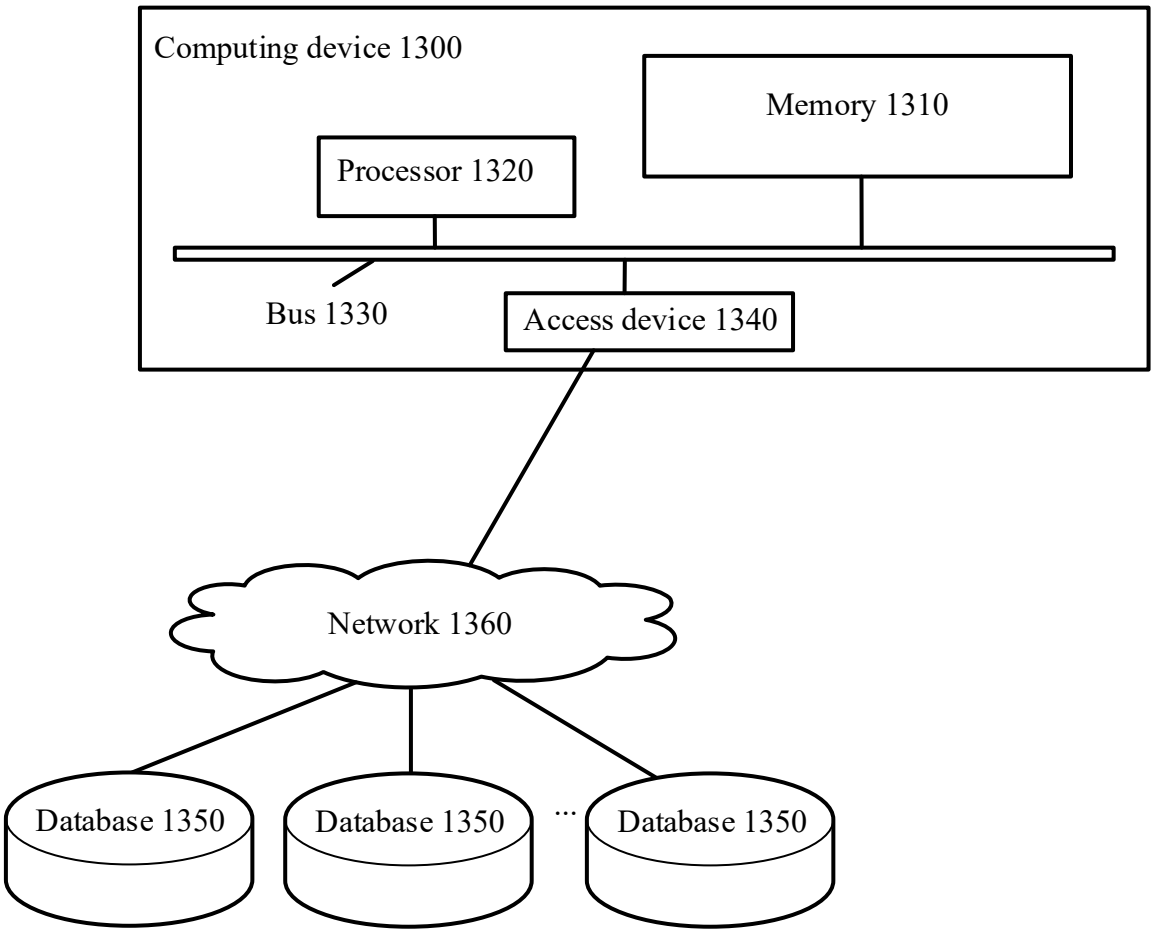
Computing device 1300
Memory 1310
Processor 1320
Bus 1330
Access device 1340
Network 1360
Database 1350
Database 1350
...
Database 1350

FIG. 13